

ABSTRACT

Reflectors, for example, for lamps used for technical lighting purposes, having a surface which is resistant to mechanical and chemical attack and has high total reflectivity. The body (10) of the reflector, which is, for example, a rolled aluminum product such as a foil, a strip or a sheet, has a surface layer in the form of a layer system containing (a) a pretreatment layer (11), onto which is deposited (b) a functional layer (12) with silanes, having organo-functional groups, of a metal compound, and onto which is deposited (c) a metal-containing reflective layer (13). Layer (a) is deposited on the reflector body and increases the strength of bonding to the above lying layers (a) and (b). Layer (b) effects a flattening and increase in the mechanical strength of the above lying layer (c). The pretreatment layer can be a layer produced by anodic oxidation. The functional layer (b) can be a sol-gel layer. The reflective layer (c) can be a metallic reflective layer, in some cases with one or more protective layers, which are deposited, e.g., by vacuum thin layer deposition process.

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